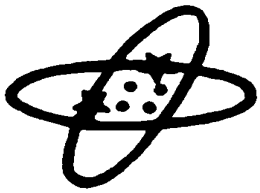
CHAPTER 32



ELECTRONICS TECHNICIAN
(ET)

NAVPERS 18068-32H
CH-44

ELECTRONICS TECHNICIAN (NUCLEAR) ET (N) TABLE OF CONTENTS

NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

ELECTRONICS TECHNICIAN (NAVIGATION) ET (V)

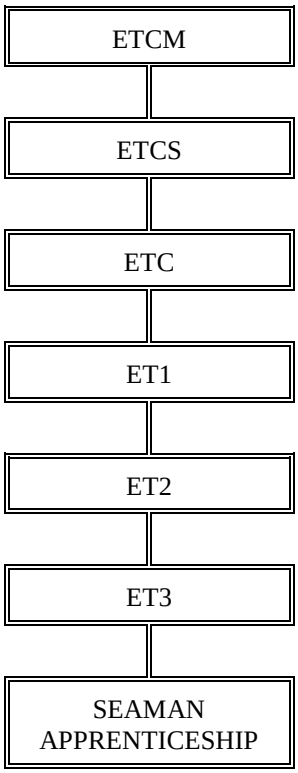
SCOPE OF RATING

Electronics Technicians (Navigation) ET (V) operate and maintain Naval Nuclear propulsion plants and associated equipment: supervise and administer Naval Nuclear propulsion plant operations; thoroughly understand reactor, electrical, and mechanical theory involved in the operation of the nuclear reactor, steam plant, propulsion plant, and auxiliary equipment; posses a detailed knowledge of reactor and steam plant chemistry and radiological controls; operate and perform organizational and intermediate maintenance on electronic equipment used for reactor control, instrumentation, measurement, alarm warning, power distribution, protection and airborne particulate radiation detection;; operate General Purpose Test Equipment (GEPTE) and auxiliary equipment; test, calibrate, maintain, and repair electronic and hydraulic-electric systems that support reactor plant operation on both surface and sub surface ships.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 32.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title **Job Code**

Submarine Reactor Controls Operator 003779

Job Family	NOC	Short Title (30 Characters)	Short Title (10 Characters)
Life, Physical, and Social Science	1900-4051.01	SUB REACTOR CONTROLS OP	SS RC OP

Pay Plan	Career Field	Proficiency Level	Other Relationships and Rules:
Enlisted	ET(NUC)	A/J	3353, 3359

Job Description

Submarine Reactor Controls Operators perform operations and basic preventive maintenance of electronic equipment used for reactor control, rod control, protection and alarm system, primary plant instrumentation, nuclear instrumentation, primary plant control, steam generator water level control, and other electrical and electronic support equipment. They possess a thorough understanding of reactor, electrical, and mechanical theory involved in the operation of nuclear reactors, steam plants, and auxiliary equipment. They also possess detailed knowledge of chemistry and radiological controls associated with the nuclear reactor and supervise the shutdown of the reactor plant. These operators perform the critical work functions required to repair and maintain equipment and move naval tactical forces. Operators work under the supervision of a mentor while learning their trade or skill.

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DoD Relationship		O*NET Relationship	
Title and Group:	*Code and Area:*	*Title and SOC Code:*	*Name and Family Code:*
Radio/Radar, General	110000	Nuclear Equipment Operation Technicians	Life, Physical, and Social Science
110	11	19-4051.01	19

INSTRUMENTATION AND CONTROLS MAINTENANCE

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E4	CORE	Clean nuclear instrumentation system cabinets		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E4	CORE	Clean primary plant instrumentation system cabinets		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E4	CORE	Clean rod control system equipment		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E4	CORE	Clean static variable frequency control cabinets		
			Equipment Maintenance	*Manual Dexterit*
			Management of Material Resources	*Finger Dexterity*
E4	CORE	Clean Steam Generator Water Level Control (SGWLC) system cabinets		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E5	CORE	Control maintenance on systems affecting remote operability		
			Speaking	*Oral Expression*
			Equipment Maintenance	*Time Sharing*
E5	CORE	Initialize nuclear instrumentation systems		
			Operation and Control	*Control Precision*
			Operation Monitoring	*Finger Dexterity*
E5	CORE	Initialize primary plant instrumentation systems		
			Operation and Control	*Control Precision*
			Operation Monitoring	*Finger Dexterity*
E4	CORE	Inspect nuclear instrumentation system cabinets		
			Equipment Maintenance	*Problem Sensitivity*
			Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect primary plant instrumentation system cabinets		
			Equipment Maintenance	*Problem Sensitivity*
			Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect rod control system equipment		
			Equipment Maintenance	*Problem Sensitivity*
			Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect static variable frequency control cabinets		
			Equipment Maintenance	*Problem Sensitivity*
			Quality Control Analysis	*Written Comprehension*

E4	CORE	Inspect Steam Generator Water Level Control (SGWLC) system cabinets		
			Equipment Maintenance	*Problem Sensitivity*
			Quality Control Analysis	*Written Comprehension*
E4	CORE	Perform Air Particulate Detector (APD) preventative maintenance		
			Equipment Maintenance	*Information Ordering*
			Reading Comprehension	*Problem Sensitivity*
E5	CORE	Perform calorimetric calibrations		
			Equipment Maintenance	*Number Facility*
			Systems Evaluation	*Written Comprehension*
E5	CORE	Perform control rod testing operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform Feedwater Regulating Valve (FRV) preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform hydraulic mechanical indicator preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform nuclear instrumentation preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform primary plant control system preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform primary plant instrumentation preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform reactor protection system preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform rod control system preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform rod position indication system preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E5	CORE	Perform static variable frequency controller preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform Steam Generator Water Level Control (SGWLC) cabinet preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform Steam Generator Water Level Control (SGWLC) system detector preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E5	CORE	Repair Air Particulate Detectors (APD)		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E5	CORE	Troubleshoot Air Particulate Detectors (APD)		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot hydraulic mechanical indicators		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*

E5	CORE	Troubleshoot nuclear instrumentation systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot primary plant control systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot primary plant detectors		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot primary plant instrumentation systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot pump noise monitor systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot reactor protection systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot rod control systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot rod position indication systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot Steam Generator Water Level Control (SGWLC) systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*

RADIOLOGICAL CONTROL

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Conduct radiological controlled area surveys		
			Operation and Control	*Deductive Reasoning*
			Quality Control Analysis	*Selective Attention*
E4	CORE	Conduct radiological surveys during primary valve operations		
			Operation and Control	*Deductive Reasoning*
			Quality Control Analysis	*Selective Attention*
E4	CORE	Control access to radiological controlled areas		
			Social Perceptiveness	*Oral Expression*
			Writing	*Written Expression*
E4	CORE	Disestablish radiological controlled areas		
			Speaking	*Oral Expression*
			Writing	*Written Expression*
E4	CORE	Establish radiological controlled areas		
			Speaking	*Oral Expression*
			Writing	*Written Expression*
E4	CORE	Issue self-indicating pocket dosimeters		
			Management of Material Resources	*Finger Dexterity*
			Operation Monitoring	*Written Expression*

REACTOR PLANT SYSTEMS OPERATION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Analyze Air Particulate Detector (APD) indicators		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*

E4	CORE	Analyze nuclear instrumentation indicators		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Analyze primary plant control system parameters		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Analyze primary plant instrumentation indicators		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E5	CORE	Analyze reactor plant trends		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Analyze rod control parameters		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Analyze shutdown electric plant trends		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Analyze shutdown reactor plant trends		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Classify primary valves		
			Reading Comprehension	*Written Comprehension*
			Systems Analysis	*Written Expression*
E4	CORE	Combat reactor plant casualties		
			Equipment Selection	*Deductive Reasoning*
			Judgment and Decision Making	*Reaction Time*
E4	CORE	Conduct control rod transfer operations		
			Equipment Maintenance	*Control Precision*
			Operation and Control	*Written Comprehension*
E5	CORE	Conduct discharge boundary valve checks prior to maintenance or evolutions		
			Equipment Selection	*Deductive Reasoning*
			Operation and Control	*Information Ordering*
E4	CORE	Conduct evolutions on systems that could cause overboard discharge		
			Systems Analysis	*Problem Sensitivity*
			Operation and Control	*Written Comprehension*
E4	CORE	Monitor reactor plant operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E4	CORE	Operate alarm and indicating systems		
			Operation and Control	*Hearing Sensitivity*
			Operation Monitoring	*Near Vision*
E4	CORE	Operate coolant charging systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate coolant purification systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate discharge boundary valves		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate electric plants		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate Emergency Propulsion Motors (EPM)		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*

E4	CORE	Operate main steam systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate nuclear instrumentation systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate primary shield water systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate primary valves		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate reactor plant air systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate Reactor Plant Fresh Water (RPFW) cooling systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E5	CORE	Operate reactor plants		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate rod control systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate Secondary Propulsion Motors (SPM)		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate steam generating systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E5	CORE	Perform infrequent nuclear instrumentation operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E5	CORE	Perform infrequent primary plant instrumentation system operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform reactor plant startups and shutdowns		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform reactor plant valve lineups		
			Coordination	*Arm-Hand Steadiness*
			Quality Control Analysis	*Control Precision*
E4	CORE	Perform salinity indicating systems during normal operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform shutdown of electric plants during casualty operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform shutdown of electric plants during infrequent operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform shutdown of electric plants during normal operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform shutdown of reactor plants during normal operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*

E4	CORE	Perform temperature monitoring systems during normal operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Place primary plant detectors in service		
			Systems Analysis	*Written Comprehension*
			Operation and Control	*Finger Dexterity*
E4	CORE	Place Steam Generator Water Level Control (SGWLC) system detectors in service		
			Systems Analysis	*Written Comprehension*
			Operation and Control	*Finger Dexterity*
E4	CORE	Remove primary plant detectors from service		
			Systems Analysis	*Written Comprehension*
			Operation and Control	*Finger Dexterity*
E4	CORE	Remove Steam Generator Water Level Control (SGWLC) detectors from service		
			Systems Analysis	*Written Comprehension*
			Operation and Control	*Finger Dexterity*
E5	CORE	Verify conditions established for prevention of inadvertent discharges		
			Reading Comprehension	*Written Comprehension*
			Writing	*Written Expression*
E4	CORE	Verify primary valve positions		
			Reading Comprehension	*Written Comprehension*
			Writing	*Written Expression*

SHIPBOARD OPERATIONS AND SAFETY

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Combat submarine hydraulic rupture casualties		
			Equipment Selection	*Deductive Reasoning*
			Judgment and Decision Making	*Reaction Time*
E4	CORE	Correct sound silencing deficiencies		
			Equipment Maintenance	*Auditory Attention*
			Repairing	*Sound Localization*
E4	CORE	Employ shipboard security engagement tactics below decks		
			Active Learning	*Gross Body Coordination*
			Learning Strategies	*Multi-limb Coordination*
E4	CORE	Operate Interior Communications (IC) equipment		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E5	CORE	Operate submarine habitability systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E5	CORE	Operate submarine salvage systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E5	CORE	Rig submarine for dive		
			Operation and Control	*Written Comprehension*
			Operation Monitoring	*Problem Sensitivity*
E5	CORE	Rig submarine for surface		
			Operation and Control	*Written Comprehension*
			Operation Monitoring	*Problem Sensitivity*

TECHNICAL ADMINISTRATION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Conduct submarine pre-underway checks		
			Negotiation	*Problem Sensitivity*
			Time Management	*Written Comprehension*
E4	CORE	Maintain radiological controlled area records		
			Reading Comprehension	*Written Expression*
			Writing	*Written Comprehension*

E4	CORE	Perform reactor plant component tag outs		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E5	CORE	Perform remote operability checklists		
			Reading Comprehension	*Written Comprehension*
			Writing	*Written Expression*
E4	CORE	Perform sound silencing surveys		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Safeguard Naval Nuclear Propulsion Information (NNPI)		
			Management of Material Resources	*Problem Sensitivity*
			Quality Control Analysis	*Written Comprehension*

Job Title **Job Code**

Surface Reactor Controls Operator 003780

Job Family	NOC	Short Title (30 Characters)	Short Title (10 Characters)
Life, Physical, and Social Science	1900-4051.01	SUR REACTOR CONTROLS OP	SW RC OP

Pay Plan	Career Field	Proficiency Level	Other Relationships and Rules:
Enlisted	ET(NUC)	A	3383, 3389

Job Description

Surface Reactor Controls Operators perform operations and basic preventive maintenance of electronic equipment used for reactor control, rod control, protection and alarm system, primary plant instrumentation, nuclear instrumentation, primary plant control, steam generator water level control, and other electrical and electronic support equipment. They possess a thorough understanding of reactor, electrical, and mechanical theory involved in the operation of nuclear reactors, steam plants, and auxiliary equipment. They also possess detailed knowledge of chemistry and radiological controls associated with the nuclear reactor and supervise the shutdown of the reactor plant. These operators perform the critical work functions required to repair and maintain equipment and move naval tactical forces. Operators work under the supervision of a mentor while learning their trade or skill.

DoD Relationship		O*NET Relationship	
Title and Group:	*Code and Area:*	*Title and SOC Code:*	*Name and Family Code:*
Radio/Radar, General	110000	Nuclear Equipment Operation Technicians	Life, Physical, and Social Science
110	11	19-4051.01	19

INSTRUMENTATION AND CONTROLS MAINTENANCE

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E5	CORE	Align automatic reactor fill initiation systems		
			Equipment Maintenance	*Manual Dexterity*
			Operation Monitoring	*Finger Dexterity*
E5	CORE	Align calorimetric calibration instrument systems		
			Equipment Maintenance	*Manual Dexterity*
			Operation Monitoring	*Finger Dexterity*
E4	CORE	Change wire-free communication system encryption keys		
			Equipment Maintenance	*Control Precision*
			Operation and Control	*Finger Dexterity*
E4	CORE	Clean automatic reactor fill initiation system cabinets		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E4	CORE	Clean calorimetric calibration instrument system cabinets		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E4	CORE	Clean nuclear instrumentation system cabinets		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E4	CORE	Clean primary plant instrumentation system cabinets		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E4	CORE	Clean rod control system equipment		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E4	CORE	Clean Steam Generator Water Level Control (SGWLC) system cabinets		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E4	CORE	Clean wire-free communication system equipment		
			Equipment Maintenance	*Manual Dexterity*
			Management of Material Resources	*Finger Dexterity*
E5	CORE	Control maintenance on systems affecting remote operability		
			Speaking	*Oral Expression*
			Equipment Maintenance	*Time Sharing*
E5	CORE	Initialize nuclear instrumentation systems		
			Operation and Control	*Control Precision*
			Operation Monitoring	*Finger Dexterity*

E5	CORE	Initialize primary plant instrumentation systems	
		Operation and Control	*Control Precision*
		Operation Monitoring	*Finger Dexterity*
E5	CORE	Inspect automatic reactor fill initiation system alignment	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect automatic reactor fill initiation system cabinets	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E5	CORE	Inspect calorimetric calibration instrument system alignment	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect calorimetric calibration system cabinets	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect nuclear instrumentation system cabinets	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect primary plant instrumentation system cabinets	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect rod control system equipment	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect Steam Generator Water Level Control (SGWLC) system cabinets	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E5	CORE	Inspect the operational condition of automatic reactor fill initiation systems	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E5	CORE	Inspect trip point and calibration of automatic reactor fill initiation systems	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E5	CORE	Inspect trip point and calibration of calorimetric calibration instruments	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect wire-free communication system battery capacity	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect wire-free communication system equipment	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E4	CORE	Inspect wire-free communication system signal containment	
		Equipment Maintenance	*Problem Sensitivity*
		Quality Control Analysis	*Written Comprehension*
E5	CORE	Maintain continuous injection systems	
		Equipment Maintenance	*Arm-Hand Steadiness*
		Operation and Control	*Manual Dexterity*
E5	CORE	Operate automatic reactor fill initiation systems	
		Operation and Control	*Arm-Hand Steadiness*
		Operation Monitoring	*Manual Dexterity*
E5	CORE	Operate calorimetric calibration instrument systems	
		Operation and Control	*Arm-Hand Steadiness*
		Operation Monitoring	*Manual Dexterity*
E4	CORE	Perform Air Particulate Detector (APD) preventative maintenance	
		Equipment Maintenance	*Information Ordering*
		Reading Comprehension	*Problem Sensitivity*

E5	CORE	Perform calorimetric calibrations		
			Equipment Maintenance	*Number Facility*
			Systems Evaluation	*Written Comprehension*
E5	CORE	Perform control rod testing operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform Feedwater Regulating Valve (FRV) preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform hydraulic mechanical indicator preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform nuclear instrumentation preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform primary plant control system preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform primary plant instrumentation preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform pump noise monitor preventive maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform reactor protection system preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform rod control system preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform rod position indication system preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform Steam Generator Water Level Control (SGWLC) cabinet preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform Steam Generator Water Level Control (SGWLC) system detector preventative maintenance		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E5	CORE	Repair Air Particulate Detectors (APD)		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E5	CORE	Troubleshoot Air Particulate Detectors (APD)		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot hydraulic mechanical indicators		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot nuclear instrumentation systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot primary plant control systems		
			Troubleshooting	*Inductive Reasonin*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot primary plant detectors		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*

E5	CORE	Troubleshoot primary plant instrumentation systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot pump noise monitor systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot reactor protection systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot rod control systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot rod position indication systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E5	CORE	Troubleshoot Steam Generator Water Level Control (SGWLC) systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*

RADIOLOGICAL CONTROL

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Conduct radiological controlled area surveys		
			Operation and Control	*Deductive Reasoning*
			Quality Control Analysis	*Selective Attention*
E4	CORE	Conduct radiological surveys during primary valve operations		
			Operation and Control	*Deductive Reasoning*
			Quality Control Analysis	*Selective Attention*
E4	CORE	Control access to radiological controlled areas		
			Social Perceptiveness	*Oral Expression*
			Writing	*Written Expression*
E4	CORE	Disestablish radiological controlled areas		
			Speaking	*Oral Expression*
			Writing	*Written Expression*
E4	CORE	Establish radiological controlled areas		
			Speaking	*Oral Expression*
			Writing	*Written Expression*
E4	CORE	Issue self-indicating pocket dosimeters		
			Management of Material Resources	*Finger Dexterity*
			Operation Monitoring	*Written Expression*

REACTOR PLANT SYSTEMS OPERATION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Analyze Air Particulate Detector (APD) indicators		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Analyze nuclear instrumentation indicators		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Analyze primary plant control system parameters		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Analyze primary plant instrumentation indicators		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E5	CORE	Analyze reactor plant trends		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*

E4	CORE	Analyze rod control parameters		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Analyze shutdown electric plant trends		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Analyze shutdown reactor plant trends		
			Operation Monitoring	*Deductive Reasoning*
			Systems Evaluation	*Problem Sensitivity*
E4	CORE	Classify primary valves		
			Reading Comprehension	*Written Comprehension*
			Systems Analysis	*Written Expression*
E4	CORE	Combat reactor plant casualties		
			Equipment Selection	*Deductive Reasoning*
			Judgment and Decision Making	*Reaction Time*
E4	CORE	Conduct control rod transfer operations		
			Equipment Maintenance	*Control Precision*
			Operation and Control	*Written Comprehension*
E4	CORE	Conduct evolutions on systems that could cause overboard discharge		
			Systems Analysis	*Problem Sensitivity*
			Operation and Control	*Written Comprehension*
E4	CORE	Monitor reactor plant operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E4	CORE	Operate alarm and indicating systems		
			Operation and Control	*Hearing Sensitivity*
			Operation Monitoring	*Near Vision*
E4	CORE	Operate coolant charging systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate coolant purification systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate discharge boundary valves		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate electric plants		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate main steam systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate nuclear instrumentation systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate primary valves		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E5	CORE	Operate reactor plants		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E4	CORE	Operate rod control systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*

E4	CORE	Operate steam generating systems		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*
E5	CORE	Perform infrequent nuclear instrumentation operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E5	CORE	Perform infrequent primary plant instrumentation system operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform reactor plant startups and shutdowns		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform reactor plant valve lineups		
			Coordination	*Arm-Hand Steadiness*
			Quality Control Analysis	*Control Precision*
E4	CORE	Perform salinity indicating systems during normal operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform shutdown of electric plants during casualty operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform shutdown of electric plants during infrequent operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform shutdown of electric plants during normal operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform shutdown of reactor plants during normal operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Perform temperature monitoring systems during normal operations		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Place primary plant detectors in service		
			Systems Analysis	*Written Comprehension*
			Operation and Control	*Finger Dexterity*
E4	CORE	Place Steam Generator Water Level Control (SGWLC) system detectors in service		
			Systems Analysis	*Written Comprehension*
			Operation and Control	*Finger Dexterity*
E4	CORE	Remove primary plant detectors from service		
			Systems Analysis	*Written Comprehension*
			Operation and Control	*Finger Dexterity*
E4	CORE	Remove Steam Generator Water Level Control (SGWLC) detectors from service		
			Systems Analysis	*Written Comprehension*
			Operation and Control	*Finger Dexterity*
E5	CORE	Verify conditions established for prevention of inadvertent discharges		
			Reading Comprehension	*Written Comprehension*
			Writing	*Written Expression*
E4	CORE	Verify primary valve positions		
			Reading Comprehension	*Written Comprehension*
			Writing	*Written Expression*

SHIPBOARD OPERATIONS AND SAFETY

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Operate Interior Communications (IC) equipment		
			Operation and Control	*Arm-Hand Steadiness*
			Operation Monitoring	*Manual Dexterity*

E4	CORE	Rig compartments for emergency inport operations		
			Operation and Control	*Reaction Time*
			Operation Monitoring	*Problem Sensitivity*
E4	CORE	Rig compartments for normal inport operations		
			Operation and Control	*Written Comprehension*
			Operation Monitoring	*Problem Sensitivity*

TECHNICAL ADMINISTRATION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E4	CORE	Maintain radiological controlled area records		
			Reading Comprehension	*Written Expression*
			Writing	*Written Comprehension*
E4	CORE	Perform reactor plant component tag outs		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E5	CORE	Perform remote operability checklists		
			Reading Comprehension	*Written Comprehension*
			Writing	*Written Expression*
E4	CORE	Perform sound silencing surveys		
			Equipment Maintenance	*Written Comprehension*
			Reading Comprehension	*Problem Sensitivity*
E4	CORE	Safeguard Naval Nuclear Propulsion Information (NNPI)		
			Management of Material Resources	*Problem Sensitivity*
			Quality Control Analysis	*Written Comprehension*

Job Title **Job Code**

Submarine Reactor Controls Supervisor 003787

Job Family	NOC	Short Title (30 Characters)	Short Title (10 Characters)
Production	5100-8011.00	SUB REACTOR CONTROLS SUP	SS RC SUP

Pay Plan	Career Field	Proficiency Level	Other Relationships and Rules:
Enlisted	ET(NUC)	J	3363

Job Description

Submarine Reactor Controls Supervisors perform advanced reactor controls operations and apply advanced level maintenance practices to reactor monitoring and control equipment. They supervise operations, maintenance, and training for personnel assigned to the Reactor Controls Division. review correspondence and perform audits of Reactor Controls Division programs. Supervisors perform the critical work functions required to move naval tactical forces, repair/maintain equipment, train forces and personnel, and perform consequence management. Supervisors work with little supervision and serve as mentors to operators.

DoD Relationship		O*NET Relationship	
Title and Group:	*Code and Area:*	*Title and SOC Code:*	*Name and Family Code:*
Radio/Radar, General	110000	Nuclear Power Reactor Operators	Production
110	11	51-8011.00	51

INSTRUMENTATION AND CONTROLS MAINTENANCE

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E6	CORE	Monitor nuclear instrumentation system maintenance operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E6	CORE	Monitor primary plant instrumentation system maintenance operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E6	CORE	Monitor rod control system maintenance operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E6	CORE	Monitor Steam Generator Water Level Control (SGWLC) system maintenance operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E6	CORE	Repair hydraulic mechanical indicators		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair nuclear instrumentation systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair primary plant control systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair primary plant instrumentation systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair pump noise monitor systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair reactor protection systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair rod control systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair rod position indication systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*

E6	CORE	Repair Steam Generator Water Level Control (SGWLC) systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Supervise reactor controls division maintenance operations		
			Complex Problem Solving	*Selective Attention*
			Monitoring	*Written Comprehension*

REACTOR PLANT SYSTEMS OPERATION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Manage performance data collection operations		
			Operations Analysis	*Number Facility*
			Reading Comprehension	*Written Comprehension*

TECHNICAL ADMINISTRATION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E6	CORE	Conduct training on remote operability		
			Instructing	*Oral Expression*
			Speaking	*Written Expression*

Job Title **Job Code**

Surface Reactor Controls Supervisor 003788

Job Family	NOC	Short Title (30 Characters)	Short Title (10 Characters)
Life, Physical, and Social Science	1900-4051.01	SUR REACTOR CONTROLS SUP	SW RC SUP

Pay Plan	Career Field	Proficiency Level	Other Relationships and Rules:
Enlisted	ET(NUC)	J	3393

Job Description

Surface Reactor Controls Supervisors perform advanced reactor controls operations and apply advanced level maintenance practices to reactor monitoring and control equipment. They supervise operations, maintenance, and training for personnel assigned to the Reactor Controls Division. review correspondence and perform audits of Reactor Controls Division programs. Supervisors perform the critical work functions required to move naval tactical forces, repair/maintain equipment, train forces and personnel, and perform consequence management. Supervisors work with little supervision and serve as mentors to operators.

DoD Relationship		O*NET Relationship	
Title and Group:	*Code and Area:*	*Title and SOC Code:*	*Name and Family Code:*
Radio/Radar, General	110000	Nuclear Equipment Operation Technicians	Life, Physical, and Social Science
110	11	19-4051.01	19

INSTRUMENTATION AND CONTROLS MAINTENANCE

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E6	CORE	Monitor automatic reactor fill initiation system maintenance operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E6	CORE	Monitor calorimetric calibration instrument maintenance operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E6	CORE	Monitor nuclear instrumentation system maintenance operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E6	CORE	Monitor primary plant instrumentation system maintenance operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E6	CORE	Monitor rod control system maintenance operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E6	CORE	Monitor Steam Generator Water Level Control (SGWLC) system maintenance operations		
			Critical Thinking	*Selective Attention*
			Operation Monitoring	*Deductive Reasoning*
E6	CORE	Repair automatic reactor fill initiation systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair calorimetric calibration instruments		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair continuous chemical injection systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair hydraulic mechanical indicators		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair nuclear instrumentation systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair primary plant control systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*

E6	CORE	Repair primary plant instrumentation systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair pump noise monitor systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair reactor protection systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair rod control systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair rod position indication systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Repair Steam Generator Water Level Control (SGWLC) systems		
			Repairing	*Selective Attention*
			Management of Material Resources	*Written Comprehension*
E6	CORE	Supervise reactor controls division maintenance operations		
			Complex Problem Solving	*Selective Attention*
			Monitoring	*Written Comprehension*
E6	CORE	Troubleshoot automatic reactor fill initiation systems		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*
E6	CORE	Troubleshoot calorimetric calibration instruments		
			Troubleshooting	*Inductive Reasoning*
			Complex Problem Solving	*Problem Sensitivity*

REACTOR PLANT SYSTEMS OPERATION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E5	CORE	Manage performance data collection operations		
			Operations Analysis	*Number Facility*
			Reading Comprehension	*Written Comprehension*

TECHNICAL ADMINISTRATION

Paygrade	**Task Type**	**Task Statements**	***Skills***	***Abilities***
E7	CORE	Coordinate department maintenance schedules		
			Management of Personnel	*Oral Expression*
			Quality Control Analysis	*Speech Clarity*

Job Title **Job Code**

Submarine Reactor Controls Manager 003795

Job Family	NOC	Short Title (30 Characters)	Short Title (10 Characters)
Production	5100-1011.00	SUB REACTOR CONTROLS MGR	SS RC MGR

Pay Plan	Career Field	Proficiency Level	Other Relationships and Rules:
Enlisted	ET(NUC)	M	E7 and Above 3359, 3363

Job Description

Submarine Reactor Controls Managers manage operations, maintenance, and training for personnel assigned to reactor controls division and/or engineering department. They review divisional and/or departmental correspondence and perform audits of divisional and/or departmental programs and training. They perform the critical work functions required to train forces and personnel, repair and maintain equipment, move naval tactical forces, performing consequence management.

DoD Relationship		O*NET Relationship	
Title and Group:	*Code and Area:*	*Title and SOC Code:*	*Name and Family Code:*
Radio/Radar, General	110000	First-line Supervisors/Managers of Production and Operating Workers	Production
110	11	51-1011.00	51

INSTRUMENTATION AND CONTROLS MAINTENANCE

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E7	CORE	Coordinate equipment modifications		
			Installation	*Visualization*
			Coordination	*Deductive Reasoning*
E7	CORE	Coordinate Reactor Controls (RC) division testing procedures		
			Quality Control Analysis	*Inductive Reasoning*
			Reading Comprehension	*Written Comprehension*

REACTOR PLANT SYSTEMS OPERATION

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E7	CORE	Supervise casualty reactor plant operations		
			Complex Problem Solving	*Selective Attention*
			Monitoring	*Written Comprehension*
E7	CORE	Supervise infrequent reactor plant operations		
			Complex Problem Solving	*Selective Attention*
			Monitoring	*Written Comprehension*

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E7	CORE	Audit engineering department records		
			Operations Analysis	*Written Comprehension*
			Quality Control Analysis	*Written Expression*
E7	CORE	Audit Reactor Controls (RC) division records		
			Operations Analysis	*Written Comprehension*
			Quality Control Analysis	*Written Expression*
E7	CORE	Coordinate department maintenance schedules		
			Management of Personnel	*Oral Expression*
			Quality Control Analysis	*Speech Clarity*
E7	CORE	Coordinate Reactor Control (RC) audit and surveillance programs		
			Quality Control Analysis	*Inductive Reasoning*
			Reading Comprehension	*Written Comprehension*
E7	CORE	Supervise Quality Assurance (QA) testing procedures		
			Complex Problem Solving	*Selective Attention*
			Monitoring	*Written Comprehension*

Job Title **Job Code**

Surface Reactor Controls Manager 003796

Job Family	NOC	Short Title (30 Characters)	Short Title (10 Characters)
Architecture and Engineering	1700-2161.00	SUR REACTOR CONTROLS MGR	SW RC MGR

Pay Plan	Career Field	Proficiency Level	Other Relationships and Rules:
Enlisted	ET(NUC)	M	E7 and Above 3393

Job Description

Surface Reactor Controls Managers manages operations, maintenance, and training for personnel assigned to reactor controls division and/or reactor department. Reviews divisional and/or departmental correspondence and performs audits of divisional and/or departmental programs and training. This job performs the critical work functions of train forces and personnel, repair/maintain equipment, move naval tactical forces, and perform consequence management.

DoD Relationship		O*NET Relationship	
Title and Group:	*Code and Area:*	*Title and SOC Code:*	*Name and Family Code:*
Radio/Radar, General	110000	Nuclear Engineers	Architecture and Engineering
110	11	17-2161.00	17

INSTRUMENTATION AND CONTROLS MAINTENANCE

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E7	CORE	Coordinate equipment modifications		
			Installation	*Visualization*
			Coordination	*Deductive Reasoning*
E7	CORE	Coordinate Reactor Controls (RC) division testing procedures		
			Quality Control Analysis	*Inductive Reasoning*
			Reading Comprehension	*Written Comprehension*

RADIOLOGICAL CONTROL

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E7	CORE	Check discharge boundary valves prior to surface maintenance or evolutions		
			Equipment Maintenance	*Manual Dexterity*
			Quality Control Analysis	*Written Comprehension*

REACTOR PLANT SYSTEMS OPERATION

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E7	CORE	Supervise casualty electrical distribution operations on surface ships		
			Complex Problem Solving	*Selective Attention*
			Monitoring	*Written Comprehension*
E7	CORE	Supervise casualty reactor plant operations		
			Complex Problem Solving	*Selective Attention*
			Monitoring	*Written Comprehension*
E7	CORE	Supervise infrequent reactor plant operations		
			Complex Problem Solving	*Selective Attention*
			Monitoring	*Written Comprehension*

TECHNICAL ADMINISTRATION

Paygrade	Task Type	Task Statements	*Skills*	*Abilities*
E7	CORE	Audit engineering department records		
			Operations Analysis	*Written Comprehension*
			Quality Control Analysis	*Written Expression*
E7	CORE	Audit Reactor Controls (RC) division records		
			Operations Analysis	*Written Comprehension*
			Quality Control Analysis	*Written Expression*
E6	CORE	Conduct training on remote operability		
			Instructing	*Oral Expression*
			Speaking	*Written Expression*

E7	CORE	Coordinate Reactor Control (RC) audit and surveillance programs	
		Quality Control Analysis	*Inductive Reasoning*
		Reading Comprehension	*Written Comprehension*
E7	CORE	Supervise Quality Assurance (QA) testing procedures	
		Complex Problem Solving	*Selective Attention*
		Monitoring	*Written Comprehension*